

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042721\
 Data File : VL036846.D
 Acq On : 27 Apr 2021 3:57
 Operator : SY/AP
 Sample : VSTDIC0.1
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/28/2021
 Supervised By :Mahesh Dadoda 04/29/2021

Quant Time: Apr 27 07:46:47 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue Apr 27 07:21:25 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1576710	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3892672	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3301880	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2663474	10.17	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.25	62	9985m	0.095	ppbv	
32) 1,1,1-Trichloroethane	6.50	97	26262m	0.095	ppbv	
35) Carbon Tetrachloride	7.01	117	28292m	0.095	ppbv	
38) Trichloroethene	7.83	130	11222m	0.081	ppbv	
52) Tetrachloroethene	11.22	164	10370m	0.079	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.67	83	30249m	0.099	ppbv	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL042721\
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MSVOA_L
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VSTDICC0.1

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Quant Time: Apr 27 07:46:47 2021

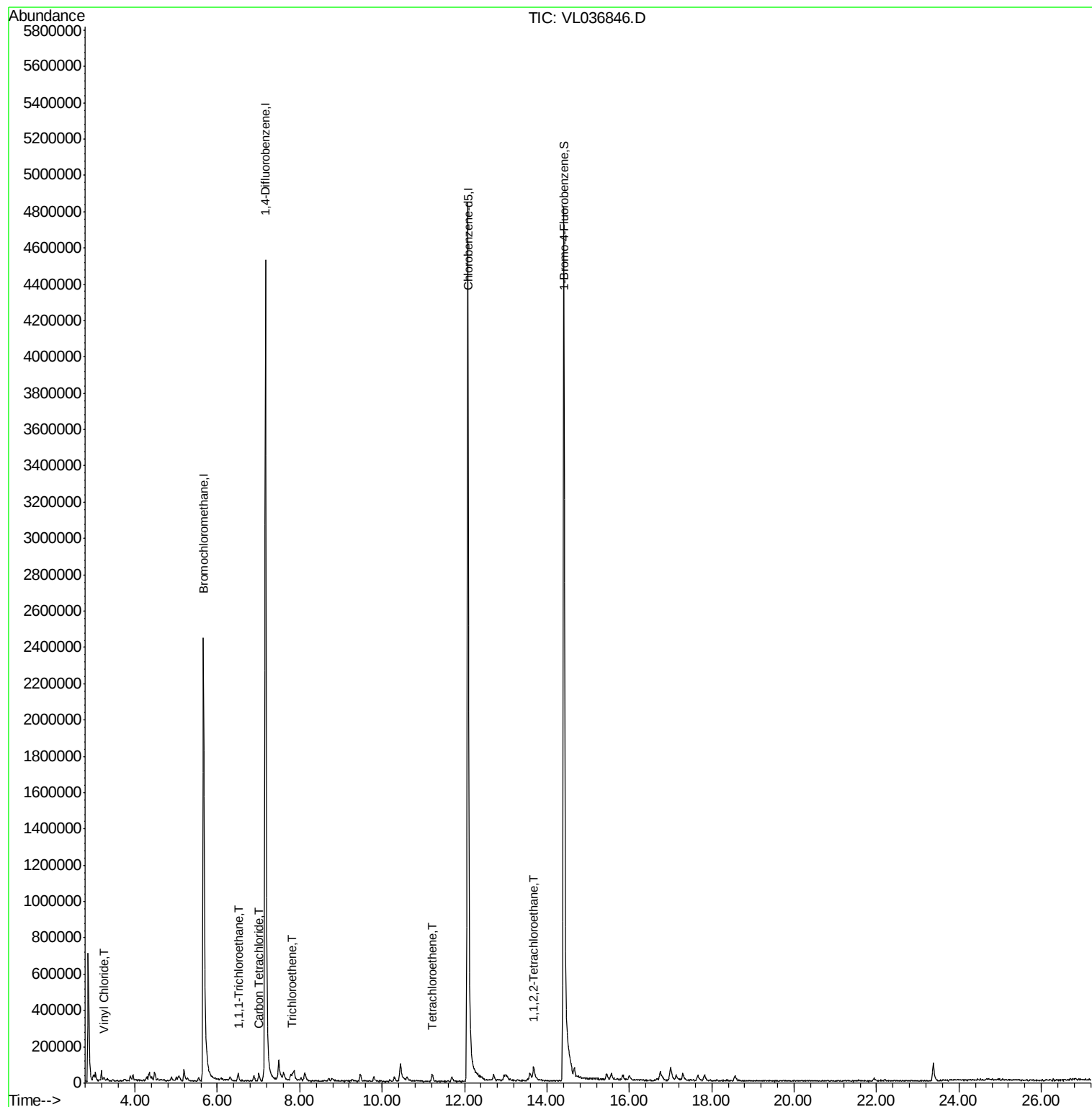
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL042721

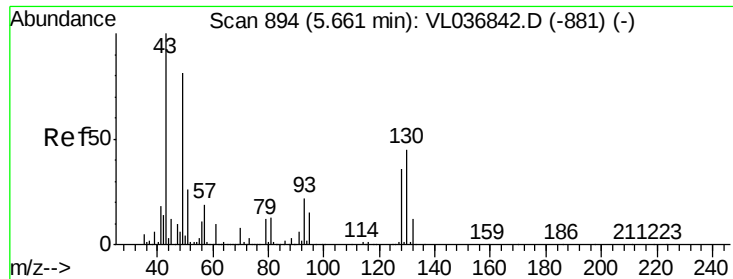
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

QLast Update : Tue Apr 27 07:21:25 2021

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDIC0.1

Acq: 27 Apr 2021 3:57

Tot Ion:

Ion Ratio

49 100

128 46.

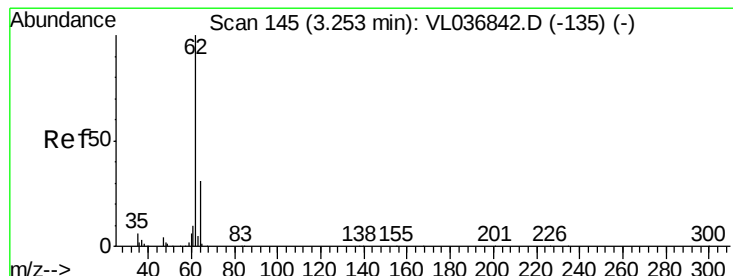
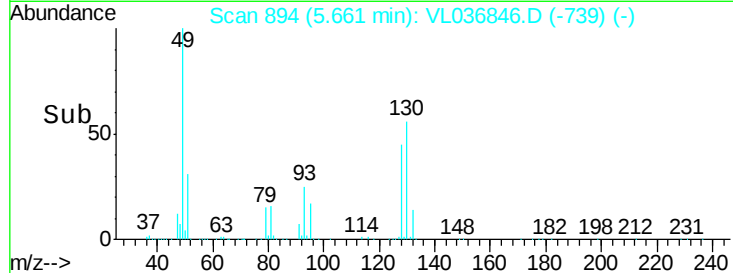
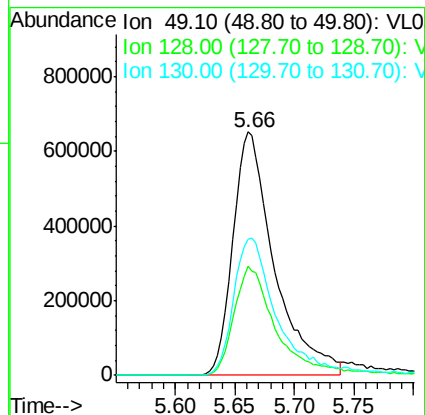
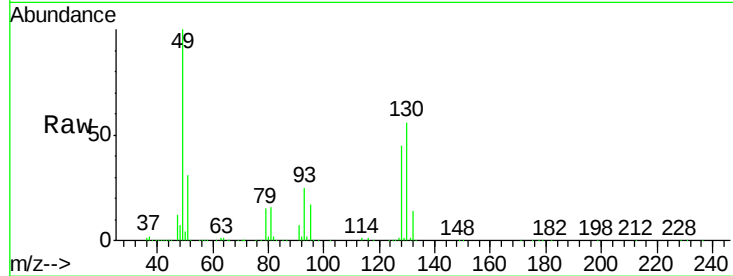
130 60.

Manual Integrations

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#5

Vinyl Chloride

Concen: 0.095 ppbv m

RT: 3.25 min Scan# 144

Delta R.T. -0.00 min

Lab File: VL036846.D

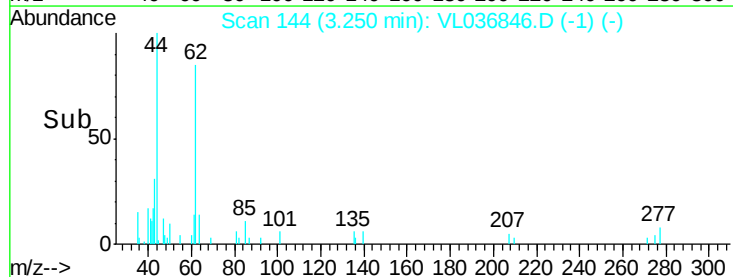
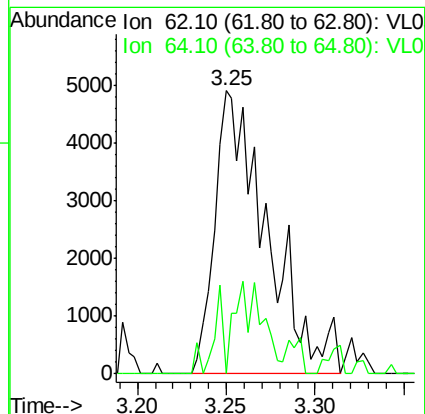
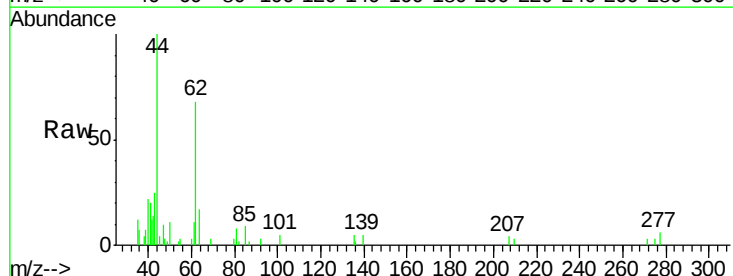
Acq: 27 Apr 2021 3:57

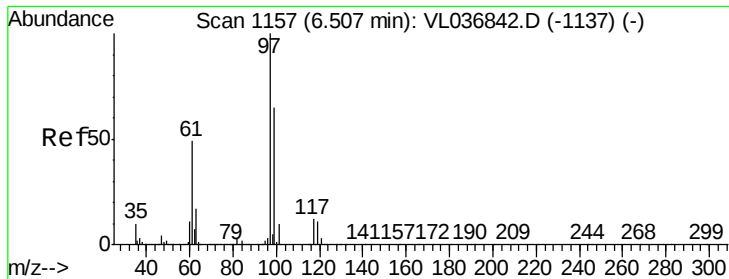
Tgt Ion: 62 Resp: 9985

Ion Ratio Lower Upper

62 100

64 0.0 25.0 37.4#





#32

1,1,1-Trichloroethane

Concen: 0.095 ppbv m

RT: 6.50 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDIC0.1

Acq: 27 Apr 2021 3:57

Tot Ion:

Ion Ratio

97 100

99 67.

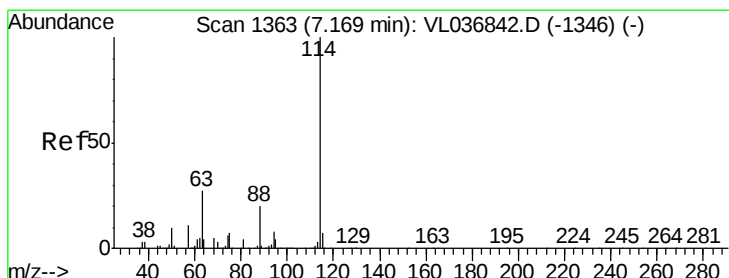
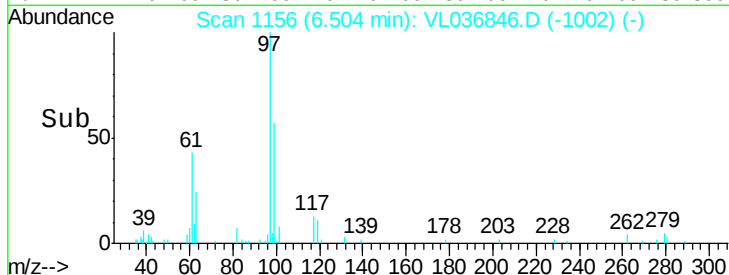
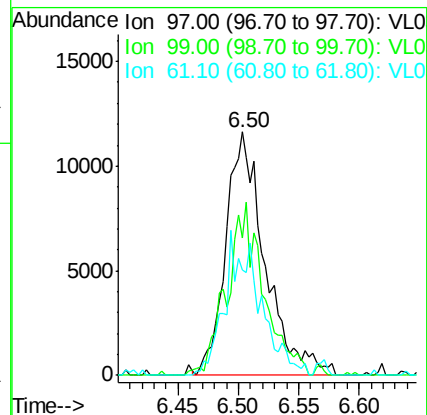
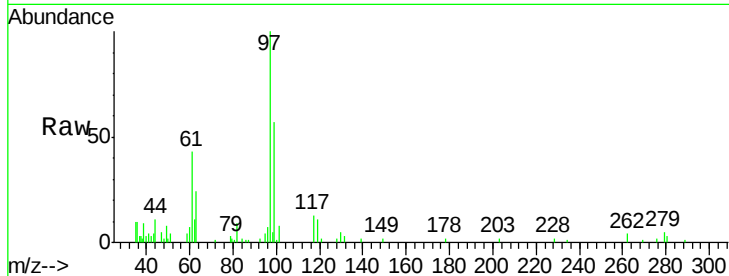
61 53.

Manual Integrations

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VL036846.D

Acq: 27 Apr 2021 3:57

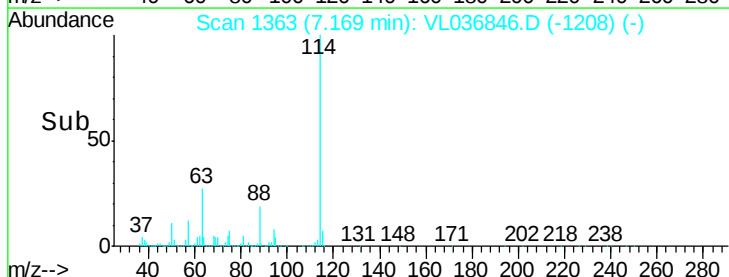
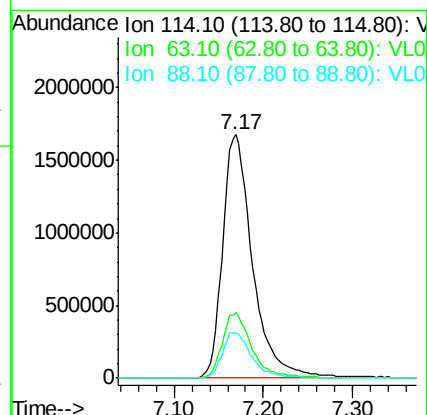
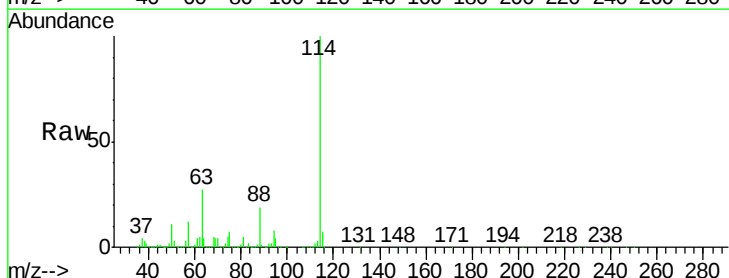
Tgt Ion:114 Resp: 3892672

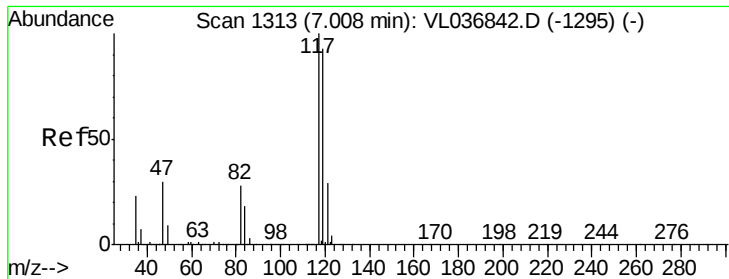
Ion Ratio Lower Upper

114 100

63 27.0 21.9 32.9

88 18.8 15.1 22.7





#35

Carbon Tetrachloride

Concen: 0.095 ppbv m

RT: 7.01 Instrument:

Delta R.T. MSVOA_L

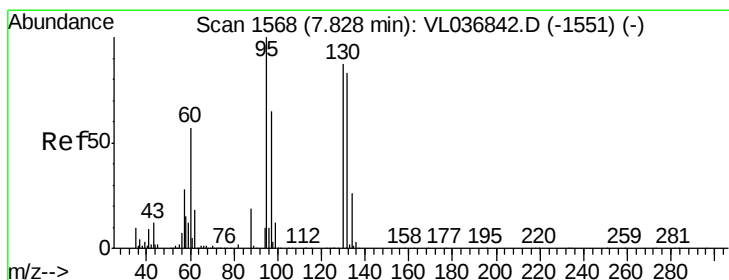
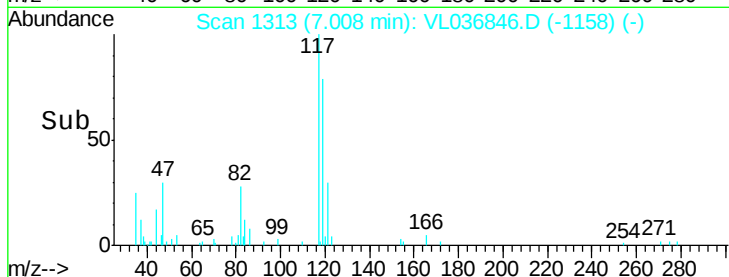
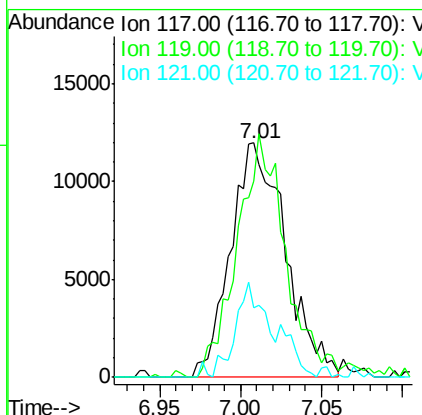
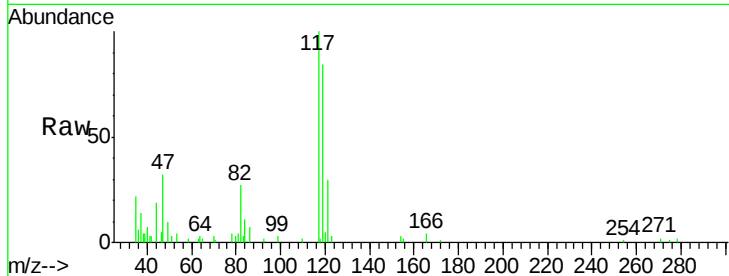
Lab File: ClientSampleId:

Acq: 27 Apr 2021 3:57

Tot Ion:1
Ion Rati
117 100
119 83.
121 29.

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#38

Trichloroethene

Concen: 0.081 ppbv m

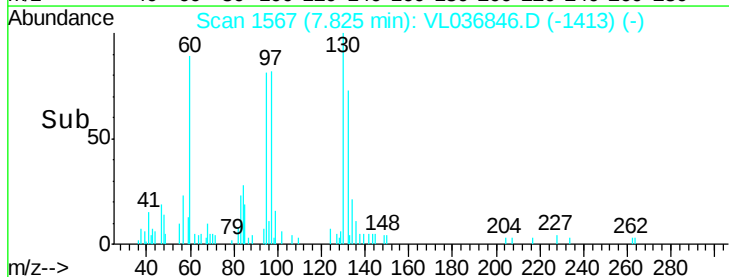
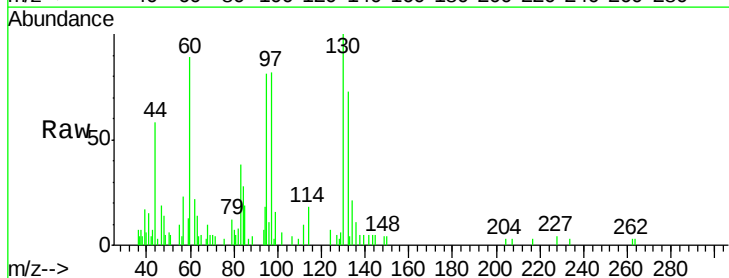
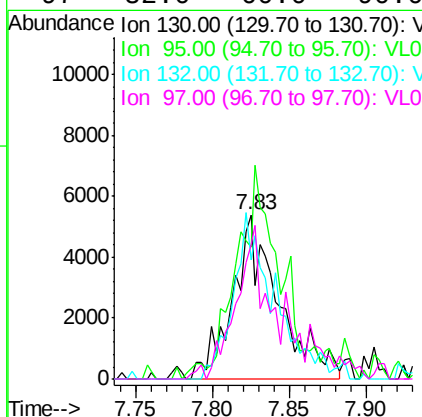
RT: 7.83 min Scan# 1567

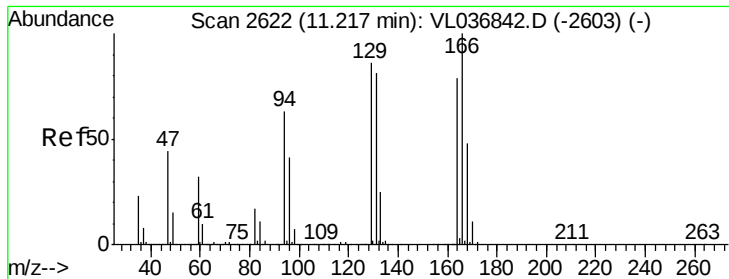
Delta R.T. -0.00 min

Lab File: VL036846.D

Acq: 27 Apr 2021 3:57

Tgt Ion:130 Resp: 11222
Ion Ratio Lower Upper
130 100
95 80.6 92.3 138.5#
132 72.7 76.8 115.2#
97 82.0 60.0 90.0





#52

Tetrachloroethene

Concen: 0.079 ppbv m

RT: 11.22

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Apr 2021 3:57

Tot Ion:1

Ion Ratio

164 100

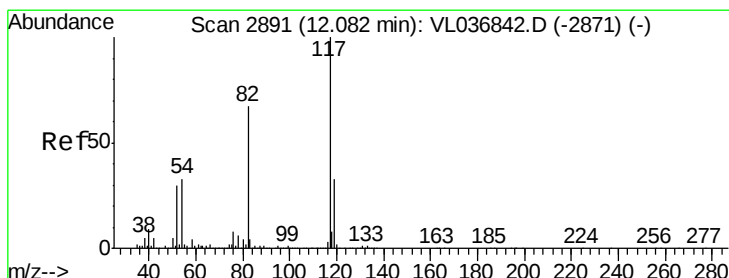
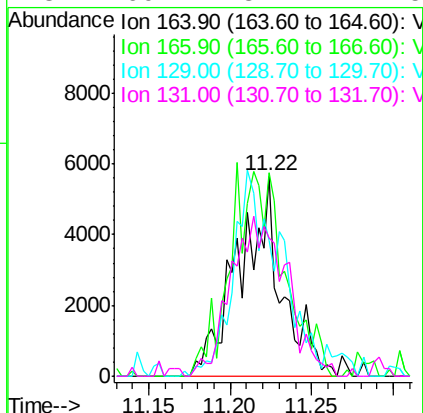
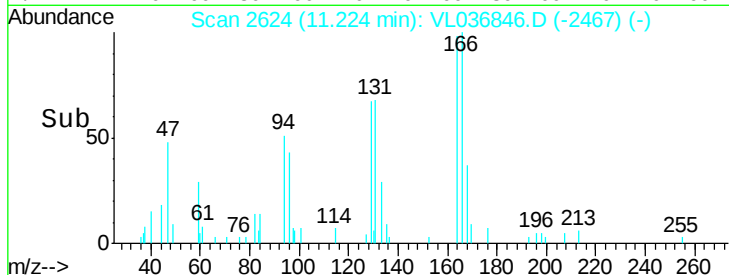
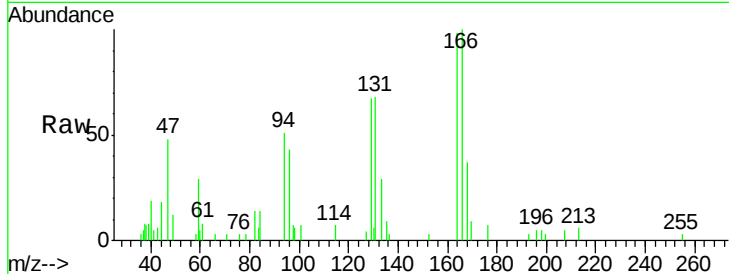
166 101.

129 67.

131 69.1 81.7 122.5#

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2891

Delta R.T. -0.00 min

Lab File: VL036846.D

Acq: 27 Apr 2021 3:57

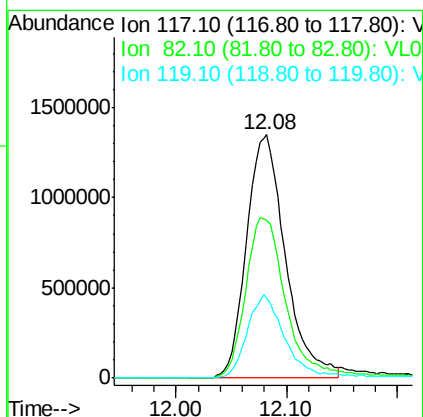
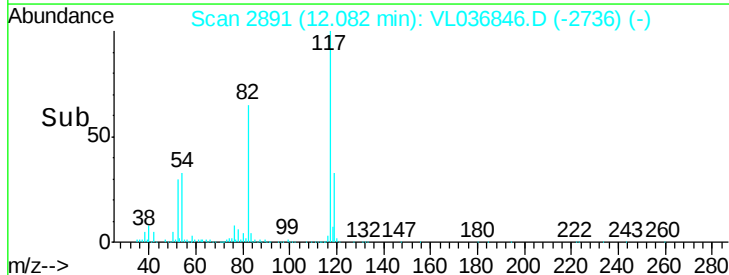
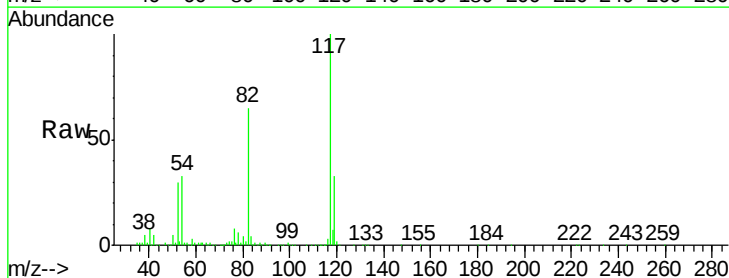
Tgt Ion:117 Resp: 3301880

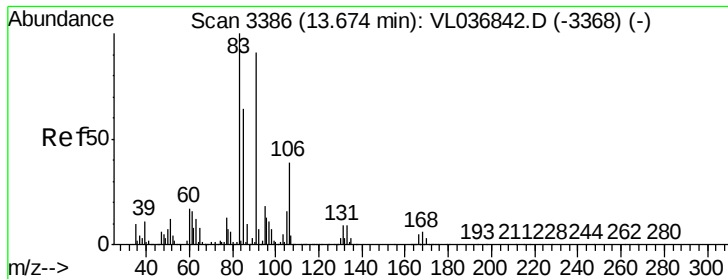
Ion Ratio Lower Upper

117 100

82 70.4 53.4 80.2

119 34.5 44.9 67.3#



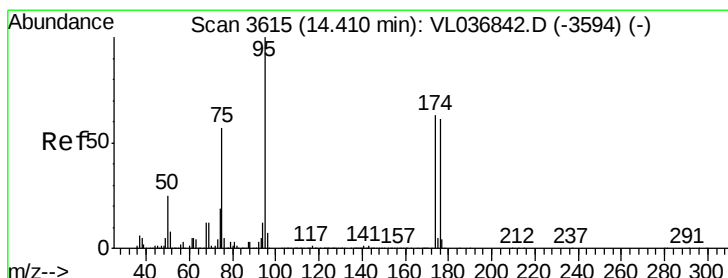
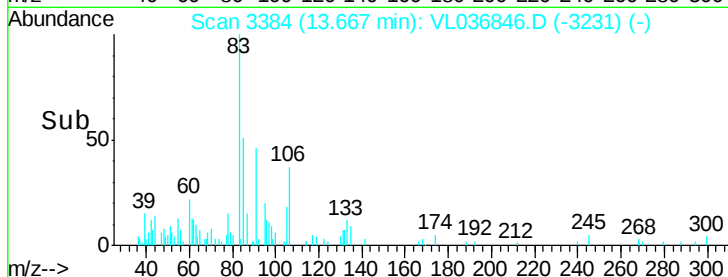
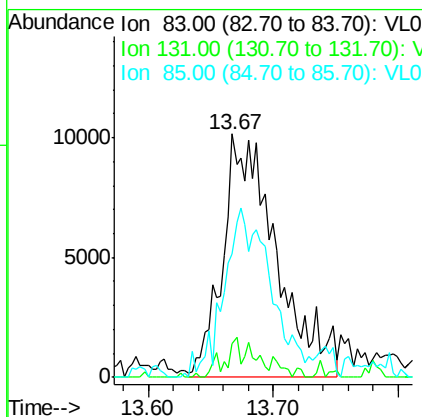
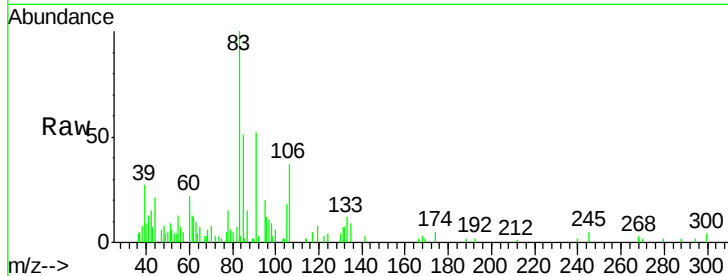


#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.099 ppbv m
 RT: 13.67
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDIC0.1
 Acq: 27 Apr 2021 3:57

Tot Ion:
 Ion Ratio
 83 100
 131 4.
 85 69.

Manual Integrations
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 Supervised By :Mahesh Dadoda 04/29/2021



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.171 ppbv
 RT: 14.41 min Scan# 3615
 Delta R.T. -0.00 min
 Lab File: VL036846.D
 Acq: 27 Apr 2021 3:57

Tgt Ion: 95 Resp: 2663474
 Ion Ratio Lower Upper
 95 100
 174 67.2 52.4 78.6
 175 4.9 3.9 5.9

